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Cambridge Scientific
Biochemistry Abstracts: Part 2

Nucleic Acids

Volume 17 number 12

Annual Indexes to Volume 17 1987

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Nucleic Acids (ISSN 8756-7512) is published monthly for US \$440 per year by Cambridge Scientific Abstracts, 5161 River Road, Bethesda, MD 20816. Second class postage paid at Bethesda, MD. POSTMASTER: Send address changes to Nucleic Acids, Cambridge Scientific Abstracts, 5161 River Road, Bethesda, MD 20816.

Cambridge Scientific

Biochemistry Abstracts: Part 2

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Foreword

Cambridge Scientific Biochemistry Abstracts, Part 2, Nucleic Acids

(formerly Nucleic Acids Abstracts) commenced publication in 1971 and is published monthly. Each issue contains approximately 800 abstracts, followed by author and subject indexes.

Coverage

In compiling each month's issue, CSA's editorial staff monitors approximately 5,000 primary journals and other source references for papers falling within the scope of the journal.

Subject scope and arrangement of subject matter

The table of contents shows the full scope of the journal. Every paper citing any physical, chemical or biological aspect of nucleic acids, nucleoproteins, nucleotides, nucleosides, and related purines and pyrimidines is reported. Papers relating to nucleotides will be included only where they are of direct relevance to the nucleic acids themselves. Abstracts are allocated to the section (subsection) to which they are most relevant and cross-referred to other sections (subsections) where appropriate.

Using this journal

Full details of the bibliographic data cited for each abstract and of abbreviations used can be found in the first issue of each volume.

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Foreword

Cambridge Scientific Biochemistry Abstracts, Part 2, Nucleic Acids

(formerly Nucleic Acids Abstracts) commenced publication in 1971 and is published monthly. Each issue contains approximately 800 abstracts, followed by author and subject indexes.

Coverage

In compiling each month's issue, CSA's editorial staff monitors approximately 5,000 primary journals and other source references for papers falling within the scope of the journal.

Subject scope and arrangement of subject matter

The table of contents shows the full scope of the journal. Every paper citing any physical, chemical or biological aspect of nucleic acids, nucleoproteins, nucleotides, nucleosides, and related purines and pyrimidines is reported. Papers relating to nucleotides will be included only where they are of direct relevance to the nucleic acids themselves. Abstracts are allocated to the section (subsection) to which they are most relevant and cross-referred to other sections (subsections) where appropriate.

Using this journal

Full details of the bibliographic data cited for each abstract and of abbreviations used can be found in the first issue of each volume.

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 DNA, cruciform structure, extrusion kinetics, ColE1, plasmid pIRbke8 4998.
 DNA, cytochrome c oxidase subunits genes, amino acid sequence predictions, mitochondria, *Oenothera* 5734.
 DNA, cytochrome c2 genes cloning, gene expression, Rhodobacter sphaeroides 2822.
 DNA, deletion, development, *Tetrahymena thermophila* 3152.
 DNA, determination, computer programs, portable computers 3698.
 DNA, determination methodology, resolution enhancement G-C rich regions, genetic engineering 247.
 DNA, divergence, mitochondria, nuclei, comparison, species, *Strongylocentrotus*, *Primates* 4948.
 DNA early region, promoters, phage T3, activation, RNA polymerase, *Escherichia coli* 3800.
 DNA, effects on hsp 27 gene, heat shock promoters, *Drosophila melanogaster* 6204.
 DNA, env gene, provirus ERV3 1353.
 DNA, *Erwinia chrysanthemi* pectate lyase genes, *Escherichia coli* gene expression 2823.
 DNA, ethanol utilization, gene expression, alcohol dehydrogenase amino acid sequence 6206.
 DNA, evolution, conferences 674.
 DNA, evolutionary genetics, genomes, *Escherichia coli* 2570.
 DNA, fatty-acyl-CoA oxidase genes, amino acid sequence predictions, *Candida tropicalis* 6218.
 DNA fragments, tRNA Asp genes, phage T5 2610.

Nucleotide sequence, (continued)

DNA, gluconate operon promoters, *Bacillus subtilis* 2638.
 DNA, glycoproteins genes, envelopes, respiratory syncytial virus 3717.
 DNA, gp50 gene, pseudorabies virus 1873.
 DNA, hepatitis B virus, detection, peripheral blood leukocytes (mononuclear), man 2454.
 DNA, herpes simplex virus 1333.
 DNA, his operon leader sequence, *Escherichia coli* 6079.
 DNA, histocompatibility antigen HLA class II molecules α -chain genes, man 1945.
 DNA, histones genes, amino acid sequence predictions, *Drosophila melanogaster* 4335.
 DNA, histones genes, *Saimo gairdneri* 4333.
 DNA, homeobox containing genes, *Tripteneustes gratilla* 6203.
 DNA, homology, ribulobisphosphate carboxylase gene families, *Glycine max* 3844.
 DNA, homology, T cell leukemia virus 1 pol gene, species, animals 3748.
 DNA, hybridoma mutants, immunoglobulin M secretion 690.
 DNA, identification proteins coding+non-coding regions, statistical analysis 5478.
 DNA, immunoglobulins μ -chain genes, man, mice, rabbits 711.
 DNA, immunoglobulins genes, gene mapping, *Heterodontos* 2027.
 DNA, immunoglobulins heavy chains genes, mice 1947.
 DNA, insertion sequences, *Zea mays* 5581.
 DNA inversion sites, recombination, phage Mu 3784.
 DNA, kidney proteins genes, amino acid sequence predictions, mice 4352.
 DNA, ligase CDC9 gene, *Saccharomyces cerevisiae* 6062.
 DNA, linkage, alkalis labile 5'-terminus, *Bacillus subtilis* 5692.
 DNA, MAT locus, *Saccharomyces cerevisiae* 6064.
 DNA, methodology, use, oligonucleotides α -thiophosphates 6143.
 DNA methylation, restriction endonuclease mapping, genomes, viruses, *Chlorella* 5525.
 DNA methyltransferase genes, comparison, phage SPB, phage Φ 3T 1882.
 DNA, minute virus of mice 5503.
 DNA, mRNA, atp9 gene, mitochondria, *Petunia hybrida* 3115.
 DNA, mRNA reverse transcription, elongation factor Tu N-terminus, mice, man 4247.
 DNA, mutagenesis, ethyl methanesulfonate, plasmids detection, cell lines, man 4232.
 DNA, mutD gene, *Escherichia coli* 2620.
 DNA, nod gene, plasmids, *Rhizobium meliloti* 3196.
 DNA, open reading frames, denaturation, parvovirus (insect) evolution 5527.
 DNA, ornithine transcarbamylase genes 5'-terminus, man 5627.
 DNA, parA locus, plasmid R1 259.
 DNA, photolysis genes, homology, *Escherichia coli*, *Saccharomyces cerevisiae*, eukaryotes 3188.
 DNA, phycocyanin α -subunit genes, cloning, *Escherichia coli* gene expression, *Anacystis nidulans* 6436.
 DNA, plasmid CioDF13 1902.
 DNA, plasmids, *Salmonella derby* 2531.
 DNA, plastocyanin genes, amino acid sequence predictions, *Spinacea oleracea* 5543.
 DNA, polymerase genes, DNA binding proteins genes, herpes simplex virus 1 3720.
 DNA, polymerase gene, herpes simplex virus 1 1944.
 DNA, polymerase pol gene, cytomegalovirus 2528.
 DNA, proviruses, Mason-Pfizer monkey virus 1994.
 DNA, psaA gene, psaB gene, rps14 gene, plastids, *Spinacea oleracea* 1887.
 DNA, rabies virus, genetics, proteins 1853.
 DNA, rbcL gene, atpB gene, psbA gene, promoters, chloroplasts, *Spinacea oleracea* 217.
 DNA, rearrangement mechanisms, phage Mu prophages, *Escherichia coli* 1287.
 DNA, recA gene mutants, *Escherichia coli* 2569.
 DNA, receptors α -chain genes, lymphocytes, leukemia, man 6183.
 DNA, recombination sites, adenovirus (human) 2, adenovirus (human) 12, transformed cells, tumor cells, mammalian cells 555.
 DNA, refractile bodies genes, *Pseudomonas taeniospiralis* 2589.
 DNA, repeated sequence, base composition, genomes, herpes simplex virus 1 3773.
 DNA, repeated sequence, Muntiacus muntiac vaginalis 4944.
 DNA, repeated sequence, rearrangement, BK virus, mammalian cells, replication, mammalian cells 5520.
 DNA, repeated sequence, Triticum aestivum 5681.
 DNA, replication origin, spatial distribution, nuclei, replicons, erythrocytes, chickens 2581.
 DNA, residual nuclei, *Saccharomyces cerevisiae* 4383.
 DNA, retinol-binding protein genes, chromosomes gene mapping, rats 5583.
 DNA, retrovirus (sirnian) 1, D-type virus 2543.
 DNA, ribosomal protein 320, termini, insertion sequence 1, *Escherichia coli* 3217.
 DNA, ribulobisphosphate carboxylase-oxygenase genes, mRNA mapping, *Chlamydomonas moewusii* 6227.
 DNA, rifampin antibiotic resistance loci, vaccinia virus 1313.
 DNA, rudimentary genes, *Drosophila melanogaster* 5633.
 DNA, *Scalet cereale* 5600.
 DNA, secretory proteins genes, gene expression, parotid gland, mice 5608.
 DNA, solid phase methods 5076.
 DNA termini, macronuclei, *Tetrahymena* 3169.
 DNA, termini promoters, pectate lyase genes, *Erwinia carotovora* 1277.
 DNA, thyroid-stimulating hormone β -subunit genes, amino acid sequence predictions, man 1893.
 DNA, topoisomerase II subunits gene 39, phage T4 1881.
 DNA, transposon Tn7 transposition, gene products identification 2637.
 DNA, transposons, evolution, mathematical models 733.
 DNA, varicella-zoster virus 1917.
 DNA, viruses, transformed cells, rats 1365.
 DNA, vision pigments opsin genes, man 3125.
 DNA, Vmw 65 gene, herpes simplex virus 1 3578.
 DNA, wheat dwarf virus 565.
 DNA, wild type, hepatitis A virus 2530.
 DNA-binding protein binding, transcription enhancers, polyoma virus 2290.
 cDNA, α -actinin genes, amino acid sequence predictions, chick embryos 5518.
 cDNA, β -casein genes, mammary gland, cattle, β -casein 5596.
 cDNA, β -casein genes, mice 3114.
 cDNA, α -collagen type IX, chickens 160.
 cDNA, δ -crystallin genes, exons, chickens 4240.
 cDNA, 3'-5'-cyclic-GMP phosphodiesterase γ -subunit, retina, cattle 5548.
 cDNA, 2'-3'-cyclic-nucleotide 3'-phosphodiesterase genes, amino acid sequence predictions, brain, cattle 4349.
 cDNA, β -D-galactose binding lectins, chickens 659.
 cDNA, γ -glutamyltransferase genes, rats 3120.

Nucleotide sequence, (continued)

- cDNA, α -nordothionin precursors genes, endosperm, *Hordeum vulgare* 3834.
 cDNA, β -interferon, man 3399.
 cDNA, α -tubulin genes, CHO cells 157.
 cDNA, α -tubulin genes, testes, chickens 3110.
 cDNA, β -tubulin isotypes, mice 5497.
 cDNA, c-abl gene, man 2961.
 cDNA, acetylcholine receptors genes, amino acid sequence predictions, heart, pigs 5484.
 cDNA, α 1- α 1 glycoprotein genes, man 4279.
 cDNA, ADP+ATP carriers, genes, man 6134.
 cDNA, adenosinetriphosphatase β -subunit genes, man 401.
 cDNA, adenosinetriphosphatase β -subunit, rats 1932.
 cDNA, adenosinetriphosphatase gene families, amino acid sequence predictions, man 5490.
 cDNA, adenosinetriphosphatase subunits, HeLa cells 3708.
 cDNA, albumin components genes, seeds, *Pisum* 3132.
 cDNA, alcohol dehydrogenase subunits, liver, man 3149.
 cDNA, alleles, immunoglobulins μ -chain, mice 3222.
 cDNA, alternative splicing, mRNA species, Epstein-Barr virus 1152.
 cDNA, amf gene, *Drosophila* 4418.
 cDNA, amino acid sequence, complement component C3, rabbits 1851.
 cDNA, amino acid sequence predictions, storage proteins genes, seeds, *Bertholletia excelsa* 4348.
 cDNA, analysis, codons pairs usage, prokaryotes 3194.
 cDNA, antigen S genes, amino acid sequence predictions, retina, cattle 5535.
 cDNA, α 1-antitrypsin genes, genomes libraries, mice 770.
 cDNA, apolipoprotein B-100 genes, man 1259.
 cDNA, apolipoprotein B-100 genes, man 1260.
 cDNA, apolipoprotein B-100, man 3107.
 cDNA, asparagine rich proteins, *Plasmodium falciparum* 3686.
 cDNA, ATP pyrophosphatase genes, plasma membranes, *Neurospora crassa* 6159.
 cDNA, batroxobin genes, gene products amino acid sequence, *Batrachoseps atrox* 4351.
 cDNA, bcl-2 gene, leukemia cell lines, man 5053.
 cDNA, bor gene, chronic myeloid leukemia, man 5683.
 cDNA, calcium-binding protein mRNA, amino acid sequence predictions 1894.
 cDNA, calmodulin pseudogenes, chickens 5609.
 cDNA, calpastatin, heart, pigs 3847.
 cDNA, capsid protein, inverted repeat, double-stranded RNA viruses, *Saccharomyces cerevisiae* isolates 3592.
 cDNA, capsid protein, vaccines strains, epidemiology, foot-and-mouth disease virus, Europe 5546.
 cDNA, carbonate dehydratase, mice 5489.
 cDNA, carboxypeptidase E genes, cattle 3219.
 cDNA, carcinoembryonic antigen genes, amino acid sequence predictions, man 6182.
 cDNA, cellular retinol-binding protein, man 559.
 cDNA, chlorophyll *a/b*-binding protein genes, ribulosebiphosphate carboxylase subunits genes, *Silene pratensis* 6110.
 cDNA, cholecalcin genes, rats 5499.
 cDNA, cloning, apolipoprotein A-II, amyloid protein, senescence acceleration, mice 3848.
 cDNA, cloning, glutathione transferase subunits, liver, rats 4430.
 cDNA, cloning, glutelin-2, Zea mays 4246.
 cDNA, cloning, hydroxymethylbilane synthase, erythrocytes, man 783.
 cDNA, cloning, interleukin, BSF-2, man 1890.
 cDNA, cloning, malate dehydrogenase, mitochondria, rats 4426.
 cDNA, cloning, mRNA, actin, skeletal muscle, mice 2377.
 cDNA, cloning, neuropeptides, neurons, *Aplysia* 798.
 cDNA, cloning, peroxidase, ligninase, *Phanerochaete chrysosporium* 6107.
 cDNA, cloning, ribosomal protein L35a, rats 1257.
 cDNA, coagulogen, hemocytes, *Tachyplesus indentatus* 5507.
 cDNA, coagulogen genes, amino acid sequence predictions, *Limulus polyphemus* 4347.
 cDNA, coding nonstructural proteins, West Nile virus 601.
 cDNA, colony-stimulating factors, cell lines, man 6187.
 cDNA, colony-stimulating factors Primates, homology, interleukin 3 genes, man, mice 5056.
 cDNA, comparison, glyceraldehyde-phosphate dehydrogenase isoenzymes genes, nuclei, *Nicotiana tabacum* 3850.
 cDNA, comparison, homology, glycogen phosphorylase genes, muscles, rats, rabbits, man 133.
 cDNA, complement component C4-binding protein genes, man 4360.
 cDNA, complement component C4A, complement component C4B, man 6188.
 cDNA, creatine kinase, evolution, muscles, mice 1317.
 cDNA, creatine kinase genes, man 5589.
 cDNA, cyclin A, embryos, *Mollusca* 3401.
 cDNA, cystic fibrosis antigens, man 5498.
 cDNA, cytochrome P450 genes, clofibrate induction, rats 4586.
 cDNA, cytochrome P450 subfamilies genes, rabbits 1931.
 cDNA, DNA polymerase I genes, man 4278.
 cDNA, DPP-C gene, *Drosophila* 3852.
 cDNA, elongation factor 1 β , *Artemia salina* 3839.
 cDNA, endothelium plasminogen activator inhibitors, man 2811.
 cDNA, epidermal growth factor receptors homologs genes, *Drosophila* 3081.
 cDNA, extensin, *Daucus carota* 661.
 cDNA, factor XII, factor VII, man 5598.
 cDNA, ferredoxin I gene, *Rhizopus* 3130.
 cDNA, fibrinogen β -chain, *Petromyzon* 3102.
 cDNA, fibroblasts growth factors, man 1886.
 cDNA, fibroblasts growth factors, man 5826.
 cDNA, flanking region, colony-stimulating factors, leukocytes (granulocytic), macrophages, mice, man 2024.
 cDNA, c-fms gene, man 5534.
 cDNA, follicle-stimulating hormone β -subunit genes, cattle 1937.
 cDNA, gelsolin genes, plasma, man 5502.
 cDNA gene libraries polymorphism, histocompatibility antigen HLA DP determinants, man 4316.
 cDNA, genes, aldolase A, aldolase C, mice 3858.
 cDNA, genes, glycoproteins, surfaces, mouse hepatitis virus 5514.
 cDNA, genes, tropomyosin isoforms, fibroblasts, skeletal muscle, rats 4994.
 cDNA, glucocorticoids receptors genes, rats 4613.
 cDNA, glucocorticoids receptors, mice 2210.
 cDNA, glutamine synthetase genes, gene products, purification, characterization, *Pisum sativum* 5564.
 cDNA, glutamine synthetase genes, roots, *Phaseolus vulgaris* 190.
 cDNA, glutathione transferase subunits, liver, man 5628.

Nucleotide sequence, (continued)

- cDNA, glutelin precursors, *Oryza sativa* 4242.
 cDNA, glycogen phosphorylase, muscles, glycogenesis 5, man 5675.
 cDNA, glycogen phosphorylase, muscles, rabbits 5551.
 cDNA, glycoprotein IIIa amino acid sequence predictions, gene libraries, platelets, man 5496.
 cDNA, glycoprotein PC-1 genes, amino acid sequence predictions, cell membrane, plasma cells 6155.
 cDNA, glycoproteins, S locus, *Brassica oleracea* 5513.
 cDNA, heat shock proteins, chickens 3101.
 cDNA, heat shock proteins genes, *Trypanosoma cruzi* 3719.
 cDNA, hemagglutinins, temperature-sensitive mutant, fowl plague virus 3584.
 cDNA, hemocyanin subunits, *Eurytemora californicum* 3084.
 cDNA, hemoglobin genes, *Parasponia andersonii* 1891.
 cDNA, hemoglobin VIII B variants genes, *Chironomus thummi* 146.
 cDNA, heterochromatin association nonhistone proteins, *Drosophila melanogaster* 3820.
 cDNA, histidine rich glycoproteins, man 580.
 cDNA, histocompatibility locus HLA DR β region, man 5058.
 cDNA, homeobox complex genes, *Xenopus* 1403.
 cDNA, homology, genes, β -globin, β -globin, larvae, *Xenopus laevis* 3820.
 cDNA, homology, legumin, A-type, B-type, genes, *Vicia faba minor* 585.
 cDNA, homology, ligand genes, amino acid sequence predictions, rats, man 5534.
 cDNA, Hox2.1 gene, mice 5740.
 cDNA, hybridization analysis, gene 9, glycoproteins, rotavirus (porcine) 5378.
 cDNA, immunoglobulin E receptors genes, amino acid sequence predictions, lymphocytes, man 6149.
 cDNA, immunoglobulin G, mice 2834.
 cDNA, initiation factor 2 α -subunit, protein biosynthesis, man, rats 5553.
 cDNA, initiation factor 4A genes, HeLa cells, liver, mice 3575.
 cDNA, insulin like growth factors precursors, mice 1942.
 cDNA, insulin receptors like proteins, *Drosophila*, homology, man 6199.
 cDNA, insulin-like growth factor I precursors, liver, mice 3117.
 cDNA, insulin-like growth factor I receptors, man 1883.
 cDNA, inter- α -trypsin inhibitor domains, man 3099.
 cDNA, interleukin 1 mRNA, melanoma cell lines, man 5599.
 cDNA, interleukin 1 precursors, man, rabbits 3710.
 cDNA, interleukin 2 receptors, lymphocytes T, mice, comparison, man 3707.
 cDNA, kallikrein, kidney, man 168.
 cDNA, Keratin type I, mice 4237.
 cDNA, knob proteins, *Plasmodium falciparum* 6158.
 cDNA, lactate dehydrogenase isoenzyme X, mice 2977.
 cDNA, leader sequence, 5'-terminus, acetylcholinesterase Ace locus, *Drosophila melanogaster* 6200.
 cDNA, legumin β -polypeptides genes, comparison, chromosome 7, chromosome 8, human 3832.
 cDNA, leukocytes (granulocytic) colony-stimulating factors genes, mice 6146.
 cDNA, lipoprotein lipase, man 5582.
 cDNA, lymphocytes B growth factors, man 6407.
 cDNA, lymphocytes T antigens receptors γ -chain genes, mice 3262.
 cDNA, lymphocytes T glycoproteins precursors, man 2636.
 cDNA, lymphocytes T receptors β -chain variable region genes, man 3059.
 cDNA, lymphotxin, man 5240.
 cDNA, L1a gene, L1b gene, comparison, ribosomal protein L1, *Xenopus laevis* 1.
 cDNA, major histocompatibility complex class II E β 2 gene, mice 2592.
 cDNA, mdr gene, mammalian cells 3714.
 cDNA, mdr1 gene, drug resistance cells, man 3116.
 cDNA, mdr1 gene, man 5634.
 cDNA, MLC2 gene, *Drosophila melanogaster* 5491.
 cDNA, mRNA, α -globin, *Xenopus laevis* 4156.
 cDNA, mRNA, glyceraldehyde-phosphate dehydrogenase, gene expression, rats 41.
 cDNA, mRNA, immunoglobulins, light chains, λ chain, Burkitt's lymphoma cell lines, man 3610.
 cDNA, mRNA, nucleocapsids, capsid protein, parainfluenza virus 3 5375.
 cDNA, mutation, preproglucagon genes, guinea-pigs 1934.
 cDNA, α -myb gene, chickens 1918.
 cDNA, myosin heavy chains, skeletal muscle, man 4274.
 cDNA, NAD(PH) dehydrogenase (quinone), liver, rats 4270.
 cDNA, neurofilaments proteins genes, amino acid sequence predictions, brain, man 6194.
 cDNA, neutral proteinase subunits, man 3840.
 cDNA, nicotinic acetylcholine receptors subunits, mice 4255.
 cDNA, nucleoplasmin genes, oocytes, *Xenopus* 5682.
 cDNA, pancreas elastase 1 genes, pigs 5556.
 cDNA, parainfluenza virus 3 77.
 cDNA, pathogenicity, potato spindle tuber viroid 575.
 cDNA, peroxidase genes 3'-terminus, thyroid, pigs 6120.
 cDNA, PGP 9.5 protein cloning, neurons, neuroendocrine system, man 6191.
 cDNA, plasminogen activator genes, storage proteins gene families, *Phaseolus vulgaris* 556.
 cDNA, phenobarbital induction α 2-globulin mRNA, liver, rats 1814.
 cDNA Philadelphia chromosome breakpoint, chimeras, chronic myeloid leukemia cell lines, man 213.
 cDNA, phorbol- β -phytohemagglutinin induction mRNA levels, lymphocytes, man 12.
 cDNA, phosphofructokinase genes, muscles, man 1933.
 cDNA, phytochromes, etiolation, Avena 4234.
 cDNA, plasminogen activator genes, man 6384.
 cDNA, platelet-derived growth factor A-chain, man 1231.
 cDNA, potato spindle tuber viroid replication 1316.
 cDNA, pro pro von Willebrand factor, man 4973.
 cDNA, preproinsulin genes, *Oncorhynchus tshawytscha* 3079.
 cDNA, preprothymosin genes, killer cells, *Saccharomyces cerevisiae* 5068.
 cDNA, preuteroglobin genes, *Lepus capensis* 4260.
 cDNA, protein A genes, coat protein genes, RNA polymerase genes, phage ϕ 37.
 cDNA, protein C inhibitor, liver, man 4261.
 cDNA, protein G subunits, cell lines, man 3851.
 cDNA, protein kinase C, brain, rats 6193.
 cDNA, protein kinase C genes, splicing heterogeneity, brain, rats 6192.
 cDNA, protein SMP-2, androgens repression, liver, rats 3857.
 cDNA, proteins antigens, sporozoites, *Plasmodium berghei* 1989.
 cDNA, pyruvate kinase, liver, man 5517.
 cDNA, P3-450 gene, mice 592.
 cDNA, P2-450, mice 593.
 cDNA, RB gene, retinoblastoma, man 5567.
 cDNA, repeated sequence, RNA, polyadenylation, liver, man 4272.
 cDNA, rhizopuspepsin isoenzyme p15, *Rhizopus chinensis* 5493.

Nucleotide sequence, (continued)

cDNA, ribonophor amino acid sequence, membranes topology, endoplasmic reticulum, liver, man 5488.
cDNA, ribosomal proteins genes, Artemia 3127.
cDNA, RNA, avian infectious bronchitis virus 3580.
cDNA, sarcotoxin IA genes, *Sarcophaga peregrina* 3140.
cDNA, c-sis gene 3'-terminal, endothelium cells, man 1234.
cDNA, small histidine-alanine rich proteins, genes, *Plasmodium falciparum* 4382.
cDNA, spike proteins precursors genes, bovine rhinotracheitis virus 5388.
cDNA, sporamin, roots, *Ipomoea batatas* 3109.
cDNA, c-sr gene, *Drosophila* 169.
cDNA, src gene, gene expression, RNA, *Xenopus laevis* 3611.
cDNA, src-like gene slk gene, man 3111.
cDNA, storage protein genes, seeds, *Gossypium hirsutum* 2555.
cDNA, structural proteins, attenuation, *Venezuelan equine encephalitis* virus 2509.
cDNA, superoxide dismutase, man 4025.
cDNA, C-terminus NC1 domain, $\alpha 2$ chain, collagen type IV, mammalian cells 4257.
cDNA, testosterone 7 α -hydroxylase genes, microsomes, liver, rats 5587.
cDNA, thrombospondin, man 5492.
cDNA, triacylglycerol lipase, tongue, rats 4256.
cDNA, triosephosphate isomerase genes, *Zea mays* 5662.
cDNA, tropomyosin genes, *Drosophila melanogaster* 675.
cDNA, trypsin inhibitor, α -amylase inhibitor, gene families, *Hordeum vulgare* 594.
cDNA, tryptophan 5-monooxygenase, pineal body, rats 3732.
cDNA, tumors proteins, hepatoma, rats 219.
cDNA, ubiquitin genes, gene regulation, *Dicyostelium discoideum* 6050.
cDNA, uncoupling protein, mitochondria, adipose tissue (brown), rats 4264.
cDNA, uroporphyrinogen decarboxylase genes, porphyria patients, man 3145.
cDNA, use, complement component C1r, man 588.
cDNA, vasopressin, oxytocin, precursors, Mammalia 694.
cDNA, vimentin genes, man 4992.
cDNA, von Willebrand factor, man 152.
cDNA, v-yes gene, embryo fibroblasts, man 3143.
cDNA, 5'-terminal α -subunit mRNA, brain, cattle 581.
dnaX gene, dnaX gene, open reading frame, *Escherichia coli* 2604.
dnaX gene, *Escherichia coli* 667.
domains, promoters, glucocorticoids, gene regulation, proviruses, mammary tumor virus 1202.
dopa decarboxylase genes, *Drosophila* 3062.
double-stranded RNA, cDNA, translation coupling, phase $\Phi 6$ 572.
cDNA, uncoupling protein, mitochondria, adipose tissue (brown), rats 4264.
double-stranded RNA, mRNA, 5'-terminal, phase $\Phi 6$ 1160.
double-stranded RNA, mutation, neurovirulence attenuation, reovirus 3 1161.
double-stranded RNA, open reading frames, infectious pancreatic necrosis virus 3600.
downstream sequence, polyadenylation sites, early region genes, SV40, adenovirus (human) 3780.
dppII gene, endodeoxyribonuclease DpnI, *Streptococcus pneumoniae* 3180.
DRB gene exons, histocompatibility locus HLA DR region, man 3060.
E5 gene, oncogenes, papilloma virus (bovine) 3727.
early region genes, transcription activation, herpes simplex virus 1 5524.
early region, open reading frame, cloning, gene expression, papilloma virus (human) 18 2588.
effects on DNA rotation, nucleosomes cores interaction DNA, chickens 5882.
effects on mutation, α -interferon gene families, man 4940.
elongation factor 1 α genes, Artemia 750.
elongation factors, chloroplasts, *Scenedesmus obliquus* 1240.
endodeoxyribonuclease BsuRI genes, cloning, *Bacillus subtilis* 6139.
endothelial cell growth factors genes, man 1870.
enhancers deletion, immunoglobulins heavy chains genes, plasmacytoma, mice 1242.
enhancers, effects on gene expression, transcription specificity, lysozyme genes, chickens 4518.
enhancers, immunoglobulins heavy chains genes, inhibition cell-free system transcription, mice 2973.
erbA gene, host range specificity, avian leukemia virus, avian sarcoma virus 3746.
envelopes genes, long terminal repeat, cloning, feline leukemia virus 1400.
erbB gene, comparison, strains, avian erythroblastosis virus 3198.
ermF gene, transcription, *Bacteroides fragilis* 2556.
erythropoietin genes, mice 215.
erythropoietin, mice 144.
Escherichia coli, btuCD gene, role, cyanocobalamin, transport, cytoplasmic membranes, homology, periplasmic-binding proteins 241.
Escherichia coli plasmids genes, complementation, nitrogen regulatory mutants, *Rhodobacter capsulatus* 3392.
Escherichia coli, porphobilinogen deaminase loci, hemC locus 3201.
evolution 1261.
exo-cellulohydrolase genes, *Trichoderma reesei* 4345.
exodeoxyribonuclease I genes, *Escherichia coli* 4356.
exons, 3'-terminal, N-myc gene, neuroblastoma cells, man 4244.
exons, ribosomal proteins rp52 gene, chloroplasts, *Marchantia polymorpha* 716.
exonuclease genes, regions, genomes, herpes simplex virus 1 3766.
c-fes/fps gene, man 781.
ferredoxin genes, *Anabaena variabilis* 2492.
ferredoxin genes, *Anacystis nidulans* 2491.
ferredoxin I genes, *Anacystis nidulans* 2496.
c-fgr gene exons, splicing sites localization, man 740.
fueH gene, homology membrane proteins, outer membranes, *Escherichia coli* 6150.
fixC gene, fixC gene, fixA gene, *Rhizobium meliloti* 5073.
flanking region, 5'-terminal, 3'-terminal, galactokinase galk gene, *Escherichia coli* 3807.
flanking region, aspartate ammonia-lyase aspA gene, cloning, *Escherichia coli* 3761.
flanking region, cell surface glycoproteins genes, gene conversion, *Trypanosoma brucei* 6077.
flanking region, repeated sequence, open reading frames, rRNA genes, chloroplasts, *Chlamydomonas reinhardtii* 3845.
flanking regions, Thraus Leu genes, rRNA genes, mitochondria, *Tetrahymena pyriformis* 4362.
formaldehyde transferase genes, cloning, *Hansenula polymorpha* 6104.
fructose-bisphosphate aldolase, genes, rats 714.
Fujinami sarcoma virus v-fps gene, homology, c-fps gene, tyrosine kinase, cDNA, chickens 3724.
fucC gene, aspA gene, *Escherichia coli* 1839.
function, correlation, rRNA 23S, genes, *Methanococcus vannielii* 4157.

Nucleotide sequence, (continued)

gag gene, pol gene, equine infectious anemia virus, comparison, visna virus, T cell leukemia virus III 3593.
galT gene, galE gene, *Escherichia coli* 3136.
gam gene, phage Mu 791.
GAP-130 gene, cloning, *Plasmodium falciparum* 696.
GCR1 gene, *Saccharomyces cerevisiae* 2178.
GCR1 gene, *Saccharomyces cerevisiae* 5728.
GenBank data, codons use, analysis 2647.
F gene, cDNA, fusion glycoproteins, parainfluenza virus 3 3742.
gene CYC3, cytochrome c heme lyase, *Saccharomyces cerevisiae* 6057.
gene ddi, gene ftsC, RNA biosynthesis, organization, envelopes, growth, cell division, *Escherichia coli* 240.
gene expression, immo gene, ColE2-P9, *Escherichia coli* 4266.
C gene, F factor 5890.
gene FAS1, mutation, complementation, fatty-acid synthase, *Saccharomyces cerevisiae* 6065.
 $\alpha 47$ gene, herpes simplex virus 1 1978.
gene libraries, antigenic determinants, screening, immune serum, *Plasmodium falciparum* 6105.
gene libraries, mitochondria like DNA, man 3828.
gene mapping, chloroplasts DNA, *Vicia faba* 735.
gene mapping, DNA polymerase genes, cytomegalovirus 2521.
gene mapping, open reading frames fragments, vaccinia virus 1357.
C gene, phage Mu 1290.
F gene, phage Nf, *Bacillus* 793.
gene regulation, hypotheses, bean golden mosaic virus 573.
gene 14, gene 15, open reading frames, phase $\Phi 29$, *Bacillus subtilis* hosts 3775.
gene 45.1, gene 45.2, cloning, phase T4 5536.
genes, amino acid sequence predictions, computer applications 3699.
genes, asd gene, aspartate-semialdehyde dehydrogenase, *Streptococcus mutans* 6071.
genes, CheW protein, chemotaxis, nucleic acids binding sites, *Salmonella typhimurium*, *Escherichia coli* 3077.
genes, colony-stimulating factors, macrophages, leukocytes (granulocytic), mice 2025.
genes, fusion glycoproteins, Newcastle disease virus 5391.
genes, gene II, cauliflower mosaic virus 599.
genes, glnA gene, glutamine synthetase, *Azospirillum brasilense* 6066.
genes, halorhodopsin, gene products amino acid sequence, bacteriorhodopsin halorhodopsin 5560.
genes, hemagglutinins, influenza A virus 4346.
genes, hemagglutinins, neuraminidase, Newcastle disease virus 2593.
genes, histone H3, histone H4, *Strongylocentrotus purpuratus* 5630.
genes, hormones, reviews 2310.
genes, immunoglobulins γ -chain, heavy chains, constant region, man 3684.
genes localization, chromosome 14, lymphocytes T, mice 729.
genes long terminal repeat, avian sarcoma virus 1354.
genes, membrane proteins, gene products amino acid sequence, West Nile virus 596.
genes, membrane proteins, protein biosynthesis, amino acid sequence, reviews 5915.
genes, poly(A)-containing RNA binding proteins, ribonucleoproteins, *Saccharomyces cerevisiae* 1056.
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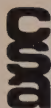
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